

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-001-02802 WELL NO.: Ketchem1B-001
 FARM NAME: Ketchem, Charles R
 RESPONSIBLE PARTY NAME: ARP MOUNTAINEER PRODUCTION, LLC
 COUNTY: BARBOUR DISTRICT: ELK
 QUADRANGLE: PHILIPPI
 SURFACE OWNER: See Attachment
 ROYALTY OWNER: See Attachment
 UTM GPS NORTHING: 0578419
 UTM GPS EASTING: 4336607 GPS ELEVATION: 1575'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____ : Post Processed Differential ____

Real-Time Differential ____

Mapping Grade GPS X : Post Processed Differential ____

Real-Time Differential X

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

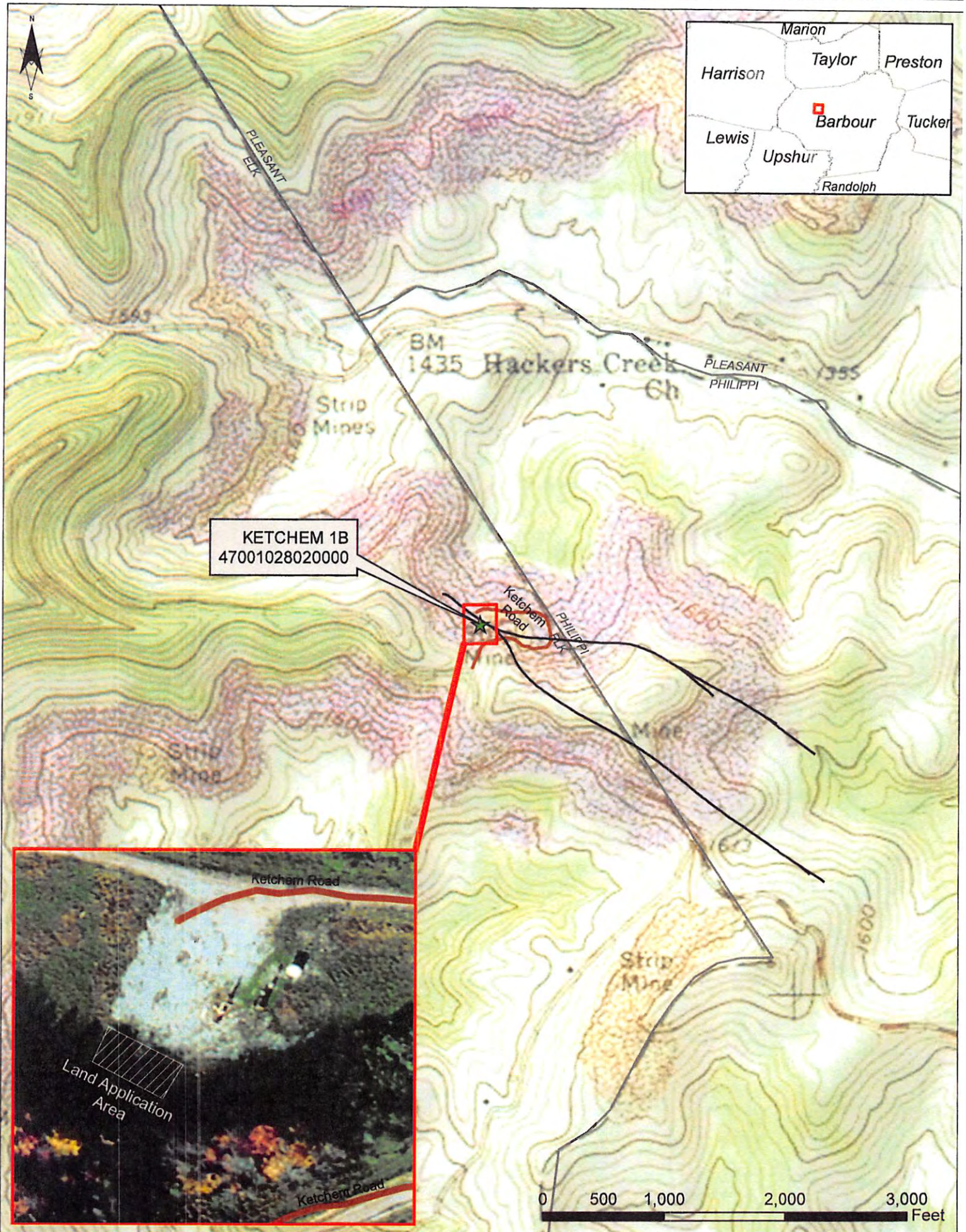
Rocky Atwell
Signature

HSE

Title

9-7-2017

Date



KETCHEM 1B
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